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MEMORANDUM FOR: Director, National Reconnaissance Office
SUBJECT : EOI Relay Satellite Requirements

1. Following the approval of Phase II System Definition for the EOI System, an intensive study was undertaken of all system segments to permit final design decisions in May 1971. The studies covered the Relay Segment in detail since final configuration decisions were yet to be made. The work was done by the AF SAMSO [redacted] based on specific interface and performance values developed by the EOI Program Office and the EOI contractors. Results and options were presented to the April ExCom and final approaches were selected for the completion of Phase II. The program schedule was based on submittal of proposals for all program segments in September 1971.

2. In May 1971 the EOI Program Office negotiated detailed technical and programmatic requirements with the [redacted] Office to support final work statements for contractors' September submittals of firm management plans, schedules, technical

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proposals and costs. Technical reviews were conducted regularly and it was clear that a completely acceptable dedicated FOI Relay configuration had been achieved. Planning included provision for submittal of the dedicated proposals first, followed in several weeks by the alternate multi-user configuration. Evaluation of the Relay Segment was to have proceeded concurrently with the evaluation of all other segments.

3. In early September, just after submittal of the dedicated Relay proposals, direction was given to the AF to revise the multi-user proposal to a configuration considered and discarded in June 1971. In addition the AF was instructed that dedicated proposals were not to be evaluated. In order to give adequate technical direction without compromise of competitive positions, the AF halted all technical source selection activities and replanned their efforts with a goal of having proposals in hand by mid November 1971.

4. Decisions concerning the FOI System in late September resulted in approval of the Program, with reasonable funding, and with a goal of operational capability in 1976. There has seemed to be some interest in the possibility of shortening the schedule. Meanwhile work has been going forward on the multi-user Relay proposals and there are indications that, more important than the

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schedule tightening incurred by the two month proposal delay. technical risks may be present which could require selection of the dedicated configuration. Since evaluation of the dedicated proposals after evaluation of the multi-user submittals would incur additional time loss, it might be desirable to initiate evaluation of the dedicated proposals now.

5. The performance of each segment of the EOI System is vital to the success of the Program and every effort is being made to plan and carry out all activities to achieve that performance.